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DWF
17 Sept 90

UNITED STATES GOVERNMENT

MEMORANDUM

17 Sept 90

To: Distribution

From: Dave Folger

D.

Subj: Cruise Report for 1990 Southern Lake Michigan GPR test

1. Vessel: 21' Boston Whaler
2. Cruise: Whaler 90-01
3. Parent Project : Southern Lake Michigan Erosion Study
4. Funding Agency: Congress
5. Funding Amount: \$1.5 million
6. Contract Number: 9470-27013
7. Contract start date: 1 Oct 90
8. Area of Operations: Southern Lake Michigan
9. Dates and Ports: 11-13 Sept 1990; Great Lakes, IL
10. Co-Chief Scientists: D. Folger & G. Olhoeft
11. Names and affiliations of the scientific party:

D. Folger, Scientist
G. Olhoeft, Scientist
D. Foster, Scientist
J. Lucius, Scientist
F. Pranschke, Scientist
M. Chrzastowski, Scientist

12. Purpose of the cruise: Assess the application of Ground Penetrating Radar to measure the thickness of the sand wedge along the Illinois and Indiana shorelines.

- 13. Navigation: Laser theodolite
- 14. Scientific equipment: GSSI radars
- 15. Days at sea: 1.5

Data Collected: Repeated transects about 900 m long were run with radars of different frequencies off Great Lakes and one transect with one frequency was run off Waukegan. In both areas the thickness of sand had been measured previously by jetting.

- 16. Trackline chart attached.

cc: B. Butman
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF ILLINOIS
DEPARTMENT OF REGISTRATION AND EDUCATION
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URBANA, ILLINOIS

